

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	04/26/2016 04/26/2016	Keith Millard

LM Start		Rating **	A	Issue No.	12
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_NA0019_01_s _ 2013_12				
Comment Code					
Inspector Comment					
The LMA has O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	13
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_NA0019_01_s _ 2013_13				
Comment Code					
Inspector Comment					
The LMA has adequate flood fight supplies and equipment.					

No Photos

LM Start		Rating **	A	Issue No.	14
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_NA0019_01_s _ 2013_14				
Comment Code					
Inspector Comment					
The LMA completed flood fight training in 2014.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	04/26/2016 04/26/2016	Keith Millard

LM Start	0.01	Rating **	M	Issue No.	17
LM End	0.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.973111 °	39.973111 °
				-121.980466 °	-121.980466 °
DWR ID	DWR_NA0019_01_s _ 2013_17				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0019_78_17_20160316_00009.jpg



View of the erosion along the landside slope.

LM Start	0.41	Rating **	M	Issue No.	18
LM End	0.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.972560 °	39.972560 °
				-121.987759 °	-121.987759 °
DWR ID	DWR_NA0019_01_s _ 2013_18				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0019_78_18_20160316_00010.jpg



View of the erosion along the landside slope.

LM Start	0.45	Rating **	M	Issue No.	276
LM End	0.45	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.972377 °	39.972377 °
				-121.988559 °	-121.988559 °
DWR ID	DWR_NA0019_01_s _ 2014_276				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0019_78_276_20160316_00018.jpg



View of the erosion along the waterside slope.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	04/26/2016 04/26/2016	Keith Millard

LM Start	0.46	Rating **	M	Issue No.	19
LM End	0.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.972339 °	39.972339 °
				-121.988763 °	-121.988763 °
DWR ID	DWR_NA0019_01_s_2013_19				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0019_78_19_20160316_00011.jpg



View of the erosion along the landside slope.

LM Start	1.52	Rating **	M	Issue No.	21
LM End	1.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.969419 °	39.969419 °
				-122.007850 °	-122.007850 °
DWR ID	DWR_NA0019_01_f_2013_21				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0019_78_21_20160316_00013.jpg



View of the erosion caused by livestock on both slope of the levee.

LM Start	2.29	Rating **	C	Issue No.	3
LM End	3.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.967015 °	°
				-122.020781 °	°
DWR ID	DWR_NA0019_01_f_2012_3				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	04/26/2016 04/26/2016	Keith Millard

LM Start	2.47	Rating **	C	Issue No.	7
LM End	2.56	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.967016 °	39.966455 °
				-122.024068 °	-122.025531 °
DWR ID	DWR_NA0019_01_s _ 2012_7				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	2.70	Rating **	C	Issue No.	8
LM End	2.73	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.965434 °	39.965180 °
				-122.027776 °	-122.028331 °
DWR ID	DWR_NA0019_01_s _ 2012_8				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	2.78	Rating **	M	Issue No.	39
LM End	2.78	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.964772 °	39.964772 °
				-122.029023 °	-122.029023 °
DWR ID	DWR_NA0019_01_s _ 2015_39				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Monitor the erosion during high water.					

Photo 1 of 1 : SP_2016_NA0019_78_39_20160316_00016.jpg



View of the erosion along the waterside toe.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	04/26/2016 04/26/2016	Keith Millard

LM Start	2.81	Rating **	M	Issue No.	40
LM End	2.81	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.964510 °	39.964510 °
				-122.029440 °	-122.029440 °
DWR ID	DWR_NA0019_01_s_2016_40				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Wild grapes impeding vehicle traffic. Recommend removal of vegetation.					

No Photos

LM Start	2.86	Rating **	M	Issue No.	38
LM End	2.86	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.963928 °	39.963928 °
				-122.030120 °	-122.030120 °
DWR ID	DWR_NA0019_01_f_2014_38				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0019_78_38_20160316_00015.jpg



View of erosion from the cattle on both slopes.

LM Start	2.88	Rating **	M	Issue No.	20
LM End	2.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.963709 °	39.963709 °
				-122.030384 °	-122.030384 °
DWR ID	DWR_NA0019_01_s_2013_20				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0019_78_20_20160316_00012.jpg



View of the erosion along the landside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	04/26/2016 04/26/2016	Keith Millard

LM Start	2.96	Rating **	M	Issue No.	1
LM End	2.98	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			39.962910 °	39.962724 °
				-122.031421 °	-122.031670 °
DWR ID	DWR_NA0019_01_s_2016_1				
Comment Code					
Inspector Comment					
2006 - Erosion along outer bank of a meandering bend that is getting close to the projection of the levee toe. Trees are leaning out into the channel and ready to fall. Whole bank in reach is actively eroding.					
2011 - New erosion pocket caused by an eddy. The Deer Creek Watershed Conservation Group is planning a reach-wide repair for Deer Creek. 2015: Site is part of the extended inventory, last inspected 2011.					
[2015 Site ID: DEC 2-4 L]					

No Photos

LM Start	3.68	Rating **	M	Issue No.	15
LM End	3.68	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.945045 °	39.945045 °
				-122.053469 °	-122.053469 °
DWR ID	DWR_NA0019_01_f_2012_15				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0019_78_15_20160316_00007.jpg



View of the erosion caused by livestock along the landside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	04/26/2016 04/26/2016	Keith Millard

LM Start	3.80	Rating **	M	Issue No.	5
LM End	3.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.944135 °	39.944135 °
				-122.054788 °	-122.054788 °
DWR ID	DWR_NA0019_01_s _ 2012_5				
Comment Code					
PR : Prunings					
Inspector Comment					
4/26/16, changed from LS to WS.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Deer Creek	Right	1.89	04/26/2016 04/26/2016	Keith Millard

LM Start	0.30	Rating **	M	Issue No.	2
LM End	0.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.970305 °	39.970305 °
				-122.014465 °	-122.014465 °
DWR ID	DWR_NA0019_02_s _ 2012_2				
Comment Code					
DE : Debris					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0019_79_2_20160316_00001.jpg



View of debris & wire at toe of levee.

LM Start	0.34	Rating **	M	Issue No.	4
LM End	0.34	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.970210 °	39.970210 °
				-122.015198 °	-122.015198 °
DWR ID	DWR_NA0019_02_s _ 2012_4				
Comment Code					
DE : Debris					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0019_79_4_20160316_00003.jpg



View of the concrete pile along the W/S toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Deer Creek	Right	1.89	04/26/2016 04/26/2016	Keith Millard

LM Start	0.85	Rating **	M	Issue No.	1
LM End	0.90	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			39.968165 °	39.967766 °
				-122.023828 °	-122.024620 °
DWR ID	DWR_NA0019_02_s _ 2016_1				
Comment Code					
Inspector Comment					
2006 - Banks are composed of lithified cobble alluvial soils (relict alluvial fan deposits). Slow erosion of lithified lower bank materials with faster erosion of overlying less cohesive soils resulting in channel "skating" across lithified horizon. 2011 - The Deer Creek Watershed Conservation Group is planning a reach-wide repair for Deer Creek. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: DEC 0-9 R]					

No Photos

LM Start	1.28	Rating **	M	Issue No.	6
LM End	1.28	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.964883 °	39.964883 °
				-122.030655 °	-122.030655 °
DWR ID	DWR_NA0019_02_s _ 2012_6				
Comment Code					
FW : Firewood					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0019_79_6_20160316_00004.jpg



Remove all firewood from the waterside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	04/26/2016 04/26/2016	Keith Millard

LM Start	1.39	Rating **	M	Issue No.	16
LM End	1.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			40.051493 °	40.051493 °
				-122.164935 °	-122.164935 °
DWR ID	DWR_NA0019_04_f_2014_16				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0019_81_16_20160316_00011.jpg



View of the vehicle erosion along the waterside slope.

LM Start	1.43	Rating **	M	Issue No.	5
LM End	1.49	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			40.051596 °	40.051979 °
				-122.164179 °	-122.163106 °
DWR ID	DWR_NA0019_04_s_2016_5				
Comment Code					
Inspector Comment					
2006 - High vertical bank due to mass failures. Thalweg meandering and erosion of bank. Banks are cohesive with non-cohesive gravel horizons. 2011 - Foundation is silty-sand with gravel. New slumping at the toe, mass failure continues. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: ELC_1-4_L]					

No Photos

LM Start	1.59	Rating **	M	Issue No.	3
LM End	1.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			40.052607 °	40.053558 °
				-122.161418 °	-122.159903 °
DWR ID	DWR_04_s_2012_3				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Tehama Co. repaired the slope that was damaged by vehicle traffic, but the damage has returned. On 4/26/16, vehicle erosion area was repaired again, but should be monitored.					

Photo 1 of 1 : SP_2016_NA0019_81_3_20160316_00003.jpg



View of the levee slope damaged by vehicle traffic.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	04/26/2016 04/26/2016	Keith Millard

LM Start	2.30	Rating **	M	Issue No.	18
LM End	2.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			40.052415 °	40.052415 °
				-122.149208 °	-122.149208 °
DWR ID	DWR_NA0019_04_s_2012_18				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0019_81_18_20160316_00013.jpg



View of the vehicle erosion along the L/S slope.

LM Start	2.32	Rating **	M	Issue No.	12
LM End	2.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			40.052443 °	40.052443 °
				-122.148863 °	-122.148863 °
DWR ID	DWR_NA0019_04_f_2013_12				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0019_81_12_20160316_00007.jpg



View of the vehicle erosion along the landside slope.

LM Start	2.43	Rating **	M	Issue No.	20
LM End	2.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			40.052417 °	40.052417 °
				-122.146747 °	-122.146747 °
DWR ID	DWR_NA0019_04_s_2012_20				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0019_81_20_20160316_00015.jpg



View of the vehicle erosion along the L/S slope.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	04/26/2016 04/26/2016	Keith Millard

LM Start	2.51	Rating **	M	Issue No.	2
LM End	2.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			40.052872 °	40.052872 °
				-122.145495 °	-122.145495 °
DWR ID	DWR_NA0019_04_s _ 2012_2				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0019_81_2_20160316_00002.jpg



View of the vehicle erosion along the L/S slope.

LM Start	2.63	Rating **	M	Issue No.	4
LM End	2.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			40.054352 °	40.054352 °
				-122.144245 °	-122.144245 °
DWR ID	DWR_NA0019_04_s _ 2012_4				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

LM Start	2.80	Rating **	M	Issue No.	916
LM End	2.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			40.055033 °	40.055595 °
				-122.141457 °	-122.141203 °
DWR ID	DWR_NA0019_04_s _ 2012_916				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	04/26/2016 04/26/2016	Keith Millard

LM Start	3.01	Rating **	M	Issue No.	10
LM End	3.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			40.056388 °	40.056388 °
				-122.139168 °	-122.139168 °
DWR ID	DWR_NA0019_04_s_2012_10				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Repair the waterside slope from vehicle erosion.					

Photo 1 of 1 : SP_2016_NA0019_81_10_20160316_00005.jpg



View of the vehicle erosion along the waterside slope.

LM Start	3.13	Rating **	M	Issue No.	1
LM End	3.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			40.057285 °	40.057285 °
				-122.137732 °	-122.137732 °
DWR ID	DWR_NA0019_04_s_2012_1				
Comment Code					
ST : Stairway					
Inspector Comment					
Remove concnere blocks, concrete pipes and concrete stairs from the landside slope.					

Photo 1 of 1 : SP_2016_NA0019_81_1_20160316_00001.jpg



View of the concrete stairways on the slope.

LM Start	3.13	Rating **	M	Issue No.	25
LM End	3.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			40.057350 °	40.057350 °
				-122.137667 °	-122.137667 °
DWR ID	DWR_NA0019_04_f_2015_25				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Repair the landside slope from vehicle erosion.					

Photo 1 of 1 : SP_2016_NA0019_81_25_20160316_00020.jpg



View of the vehicle erosion along the landside slope.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	04/26/2016 04/26/2016	Keith Millard

LM Start	3.31	Rating **	M	Issue No.	6
LM End	3.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			40.057558 °	40.057558 °
				-122.134417 °	-122.134417 °
DWR ID	DWR_NA0019_04_s _ 2012_6				
Comment Code					
GA : Garbage					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0019_81_6_20160316_00004.jpg



View of the garbage and metal along the landside slope and toe of the levee.

LM Start	3.69	Rating **	M	Issue No.	7
LM End	3.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			40.055920 °	40.055945 °
				-122.128948 °	-122.128310 °
DWR ID	DWR_NA0019_04_s _ 2012_7				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	3.78	Rating **	U	Issue No.	23
LM End	3.89	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			40.055207 °	40.054225 °
				-122.127735 °	-122.126085 °
DWR ID	DWR_NA0019_04_s _ 2015_23				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Repair the erosion along the waterside slope. Overtopped in 2014. DWR FSRP repair contract in place per LMA on 4/26/2016.					

Photo 1 of 1 : SP_2016_NA0019_81_23_20160316_00018.jpg



View of the erosion along the waterside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	04/26/2016 04/26/2016	Keith Millard

LM Start	3.78	Rating **	U	Issue No.	22
LM End	3.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			40.055162 °	40.053915 °
				-122.127713 °	-122.125412 °
DWR ID	DWR_NA0019_04_s _ 2015_22				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Repair the erosion along the landside slope. Overtopped in 2014. DWR FSRP repair contract in place per LMA on 4/26/2016.					

Photo 1 of 1 : SP_2016_NA0019_81_22_20160316_00017.jpg



View of the erosion along the landside slope.

LM Start	3.79	Rating **	U	Issue No.	24
LM End	3.93	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			40.055060 °	40.053917 °
				-122.127602 °	-122.125412 °
DWR ID	DWR_NA0019_04_s _ 2015_24				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Repair the erosion on the crown roadway. Overtopped in 2014. DWR FSRP repair contract in place per LMA on 4/26/2016.					

Photo 1 of 1 : SP_2016_NA0019_81_24_20160316_00019.jpg



View of the erosion on the crown roadway.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elder Creek	Right	3.87	04/26/2016 04/26/2016	Keith Millard

LM Start	0.94	Rating **	M	Issue No.	8
LM End	1.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			40.051360 °	40.052361 °
				-122.175063 °	-122.173450 °
DWR ID	DWR_NA0019_05_f_2015_8				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Grout the rodent the holes. Rodents appeared in holes in center of crown and on LS slope on 4/26/16.					

Photo 1 of 1 : SP_2016_NA0019_82_8_20160316_00003.jpg



View of the rodent holes along the landside slope.

LM Start	1.51	Rating **	A/W	Issue No.	13
LM End	1.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			40.050653 °	40.050653 °
				-122.165495 °	-122.165495 °
DWR ID	DWR_NA0019_05_f_2015_13				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Repair the vehicle erosion long the landside slope. On 4/26/16 no damage was observed on levee. Should be monitored.					

Photo 1 of 1 : SP_2016_NA0019_82_13_20160316_00004.jpg



View of the vehicle erosion along the landside slope.

LM Start	1.96	Rating **	C	Issue No.	15
LM End	1.96	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			40.052282 °	40.052282 °
				-122.157558 °	-122.157558 °
DWR ID	DWR_NA0019_05_s_2016_15				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Repair the erosion along the waterside slope. On 4/26/2016, WS berm and riprap observed; updated photo taken; marked as corrected.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elder Creek	Right	3.87	04/26/2016 04/26/2016	Keith Millard

LM Start	3.01	Rating **	M	Issue No.	1
LM End	3.03	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			40.054730 °	40.054970 °
				-122.140578 °	-122.140238 °
DWR ID	DWR_NA0019_05_s _ 2016_1				
Comment Code					
Inspector Comment					
2006 - Mass failure of this bank due to being along the outside of a bend where erosion and undercutting are the greatest. Low flow is being forced into the toe of this bank by point bar on the opposite side of the creek. 2011 - Toe of the bank continues to be undercut. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: ELC_3-0_R]					

No Photos

LM Start	3.12	Rating **	M	Issue No.	11
LM End	3.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			40.055632 °	40.055607 °
				-122.138910 °	-122.138868 °
DWR ID	DWR_NA0019_05_s _ 2012_11				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elder Creek	Right	3.87	04/26/2016 04/26/2016	Keith Millard

LM Start	3.30	Rating **	M	Issue No.	9
LM End	3.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			40.056831 °	40.054862 °
				-122.136365 °	-122.129279 °
DWR ID	DWR_NA0019_05_s _ 2012_9				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	3.35	Rating **	U	Issue No.	10
LM End	3.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			40.056875 °	40.056875 °
				-122.135349 °	-122.135349 °
DWR ID	DWR_NA0019_05_s _ 2016_10				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion rut running down LS slope from crown to toe					

Photo 1 of 1 : SP_2016_NA0019_82_10_20160506_00016.jpg



04/26/2016: Erosional rutting on L/S slope.

LM Start	3.38	Rating **	U	Issue No.	7
LM End	3.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			40.056727 °	40.056727 °
				-122.134888 °	-122.134888 °
DWR ID	DWR_NA0019_05_s _ 2016_7				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0019_82_7_20160316_00002.jpg



View of the erosion along the L/S slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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